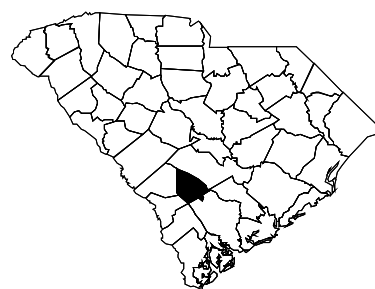


IMPACT OF CHRONIC CONDITIONS BAMBERG County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Bamberg county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Bamberg county's population is similar to the state's. The majority (35%) of the population in Bamberg county are between the ages of 18-44. There are more females (53%) than males (47%). Bamberg county has a higher minority population (63%) than the state (31%). When adults in DHEC's Region 5, which includes Bamberg County, were asked about their general health status, 79.0% reported having excellent, very good, or good health in 2005 (SC was 82%).

	BAMBERG COUNTY	STATE
Population size	15,880	4,255,083
Age distribution (%)		
<18	24	24
18-44	35	38
45-64	26	25
65-84	13	11
85+	2	2
Race (%)		
White	37	69
Black & Other	63	31
Sex (%)		
Male	47	49
Female	53	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Bamberg County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	24	22
Sedentary lifestyle	31	26
Overweight	69	65
High Cholesterol	35	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	34.2	.	.	.	.	31.7
Number of hospitalizations	54	23	7	27	27	5,032
Crude rate of hospitalizations (per 100,000)	340	231	119	362	321	118
Median age of hospitalized patients	60	52	72	77	52	57
Total cost of hospitalization (\$)	462,900	291,500	171,400	168,900	294,000	109,400,500
Average length of hospital stay (days)	5	5	5	6	4	5
Number of ED visits	33	16	3	11	22	7,466
Crude rate of ED visits (per 100,000)	208	160	51	147	261	175
Median age of ED patients	52	55	47	60	52	52
Total cost of ED visits (\$)	36,200	33,100	3,100	5,500	30,700	9,929,000
Number of deaths**	5	3	2	4	1	423
Age-Adjusted Death rate (per 100,000)**	27	28	21	48	11	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.8	.	.	.	.	4.1
Number of hospitalizations	267	98	114	148	119	60,901
Crude rate of hospitalizations (per 100,000)	1,681	982	1,931	1,982	1,414	1,431
Median age of hospitalized patients	62	62	72	62	72	67
Total cost of hospitalization (\$)	6,900,700	2,966,500	3,934,200	4,251,100	2,649,600	2,286,836,400
Average length of hospital stay (days)	5	6	5	5	5	5
Number of ED visits	77	21	17	31	46	12,989
Crude rate of ED visits (per 100,000)	485	210	288	415	547	305
Median age of ED patients	67	57	72	57	72	62
Total cost of ED visits (\$)	140,500	85,900	54,600	63,200	77,300	42,115,900
Number of deaths**	40	18	22	21	19	9,328
Age-Adjusted Death rate (per 100,000)**	209	177	237	295	152	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.3	.	.	.	.	3
Number of hospitalizations	73	36	18	36	37	13,925
Crude rate of hospitalizations (per 100,000)	460	361	305	482	440	327
Median age of hospitalized patients	67	62	77	67	67	72
Total cost of hospitalization (\$)	1,317,000	928,200	388,800	740,100	576,900	384,441,600
Average length of hospital stay (days)	8	9	5	8	8	6
Number of ED visits	8	1	2	1	7	2,515
Crude rate of ED visits (per 100,000)	50	10	34	13	83	59
Median age of ED patients	85	85	70	85	70	67
Total cost of ED visits (\$)	5,800	2,700	3,100	2,700	3,100	9,113,000
Number of deaths**	23	8	15	11	12	2,440
Age-Adjusted Death rate (per 100,000)**	122	79	165	150	96	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	56	24	12	15	41	15,753
Crude rate of hospitalizations (per 100,000)	353	241	203	201	487	370
Median age of hospitalized patients	52	40	67	32	57	62
Total cost of hospitalization (\$)	329,300	227,100	102,200	96,100	233,200	268,425,300
Average length of hospital stay (days)	4	4	3	3	4	5
Number of ED visits	121	61	18	50	71	36,543
Crude rate of ED visits (per 100,000)	762	611	305	670	844	859
Median age of ED patients	22	22	47	15	37	37
Total cost of ED visits (\$)	84,500	61,600	22,900	43,400	41,100	40,613,700
Number of deaths**	14	4	10	8	6	1,968
Age-Adjusted Death rate (per 100,000)**	74	44	107	109	57	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.4	.	.	.	.	10.3
Number of hospitalizations	38	25	4	15	23	9,027
Crude rate of hospitalizations (per 100,000)	239	251	68	201	273	212
Median age of hospitalized patients	52	52	57	52	52	52
Total cost of hospitalization (\$)	508,300	475,700	32,600	204,700	303,600	179,747,700
Average length of hospital stay (days)	6	6	7	5	7	6
Number of ED visits	49	20	1	20	29	9,603
Crude rate of ED visits (per 100,000)	309	200	17	268	345	226
Median age of ED patients	57	55	72	47	57	52
Total cost of ED visits (\$)	33,600	33,100	500	19,000	14,600	13,447,300
Number of deaths**	1	-	1	-	1	1,183
Age-Adjusted Death rate (per 100,000)**	5	-	11	-	9	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	76	38	27	40	36	16,389
Crude rate of hospitalizations (per 100,000)	479	381	457	536	428	385
Median age of hospitalized patients	62	62	62	62	57	62
Total cost of hospitalization (\$)	2,128,400	967,600	1,160,800	1,122,400	1,006,000	664,309,500
Average length of hospital stay (days)	6	5	7	6	6	8
Number of deaths**	34	21	13	20	14	8,617
Age-Adjusted Death rate (per 100,000)**	183	222	144	260	134	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	11	4	6	5	6	2,070
Crude rate of hospitalizations (per 100,000)	69	40	102	67	71	49
Median age of hospitalized patients	62	60	65	62	62	67
Total cost of hospitalization (\$)	648,500	194,300	454,200	241,200	407,300	101,377,700
Average length of hospital stay (days)	9	10	9	12	8	10
Number of deaths**	1	1	-	1	-	812
Age-Adjusted Death rate (per 100,000)**	6	10	-	13	-	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	8	4	3	-	8	1,228
Crude rate of hospitalizations (per 100,000)	95	76	-	-	24	56
Median age of hospitalized patients	57	55	57	-	57	62
Total cost of hospitalization (\$)	104,300	39,100	65,200	-	104,300	26,163,000
Average length of hospital stay (days)	2	2	2	-	2	3
Number of deaths**	3	3	-	-	3	651
Age-Adjusted Death rate (per 100,000)**	31	56	-	-	31	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	2	2	-	-	2	192
Crude rate of hospitalizations (per 100,000)	24	38	-	-	24	9
Median age of hospitalized patients	67	67	-	-	67	47
Total cost of hospitalization (\$)	60,500	60,500	-	-	60,500	4,668,500
Average length of hospital stay (days)	4	4	-	-	4	4
Number of deaths**	1	1	-	-	1	63
Age-Adjusted Death rate (per 100,000)**	11	18	-	-	11	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	9	3	4	6	3	2,181
Crude rate of hospitalizations (per 100,000)	57	30	68	80	36	51
Median age of hospitalized patients	62	67	50	65	47	67
Total cost of hospitalization (\$)	217,700	63,000	154,700	144,700	73,000	92,775,300
Average length of hospital stay (days)	6	3	9	7	6	9
Number of deaths**	13	6	7	8	5	2,703
Age-Adjusted Death rate (per 100,000)**	69	65	76	95	47	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	8	4	1	8	-	1,209
Crude rate of hospitalizations (per 100,000)	107	85	36	106	-	58
Median age of hospitalized patients	62	65	62	62	-	62
Total cost of hospitalization (\$)	115,400	95,300	20,100	115,400	-	30,356,600
Average length of hospital stay (days)	2	2	2	2	-	4
Number of deaths**	2	1	1	2	-	460
Age-Adjusted Death rate (per 100,000)**	28	27	29	28	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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